

# **Material Safety Data Sheet**

### **SECTION 1.** Chemical Product and Company Identification

PRODUCT NAME	Amcopaste 12-30-6
TRADE NAME	Amcopaste 12-30-6
CHEMICAL NAME	Not applicable; mixture of essential plant nutrients.
CHEMCIAL FORMULA	Not applicable; Mix of inorganic materials
CHEMICAL FAMILY	Chemical fertilizer
SYNONYM	NPK Fertilizer with micronutrients

#### MSDS prepared by the quality management of MCFP



MANUFACTURER

Modern Company for Fertilizer Production Ltd. (MCFP) Street No. 10 Abdulla II ibn Al Hussein Industrial Estate Amman - Jordan Tel. +962 6 4023691 Fax. +962 6 4023607

#### SUPPLIER

Modern Company for Fertilizer Production Ltd. (MCFP) Street No. 10 Abdulla II bin Al Hussein Industrial Estate Amman - Jordan Tel. +962 6 4023691 Fax. +962 6 4023607

## **SECTION 2. Hazardous Ingredients**

Exposure Limits (ACGIH)						
NAME	CAS #	TLV- TWA		STEL	CEIL	% by Weight
mg/m <sup>3</sup>		r	ng/m <sup>3</sup> ppm	mg/m <sup>3</sup> ppm		
No regulated	No regulated	ppm No regulated	No regulated		No regulated	No regulated components
components	components	components	con	nponents	components	
				Not a	pplicable. This	product is not considered

TOXICOLGICAL DATA ON INGREDIENTS

Not applicable. This product is not considered hazardous and All ingredients are free of radiation based on the Jordanian Energy Authority Tests and laboratories of the Jordanian Agriculture Ministry.



P.O. Box: 174 - Amman 11512 Jordan من ب 1161 الأربن E-mail: mcfp@agrimatco-me.com بريد إلكتروني www.mcfp.jo alia +962 6 40 29 213 / 4 هاتف: 4 / 123 Fax: +962 6 40 23 607 فاكس:





ISO 9001:2015 ISO 14001:2015 ISO 45001:2018



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SECTION 3. Hazards Identification		
POTENTIAL HEALTH EFFECTS ACUTE	This product may irritate eyes and skin upon prolonged or repeated contact from mechanical action and the drying effect of mineral salts. Over-exposure by inhalation may cause respiratory tract irritation. Ingestion of this substance may produce irritation of the gastrointestinal tract, characterized by burning and diarrhea.	
POTENTIAL HEALTH EFFECTS CHRONIC	There is no known effect from chronic exposure to this product.	
EYE CONTACT	May cause eye irritation.	
MINOR SKIN CONTACT	May cause skin irritation due to the drying action of mineral salts.	
EXTENSIVE SKIN CONTACT	May cause light sensitivity	
MINOR INHALATION	Repeated or prolonged inhalation of dust may lead to respiratory irritation.	
SEVERE INHALATION	Over-exposure by inhalation may cause respiratory irritation.	
SLIGHT INGESTION	Remove dentures if any. If conscious, have the person drink several glasses of water or milk and induce vomiting. Never give anything by mouth to an unconscious person. Lower the head so that the vomit will not reenter the mouth or throat. Obtain medical attention.	
EXTENSIVE INGESTION	No additional information.	



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SECTION 4. F	irst Aid Measures	
EYE CONTACT	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Obtain medical attention if irritation persists.	
SKIN CONTACT	Wash contaminated skin with soap and water. Cover irritated skin with an emollient. If irritation persists, obtain medical attention. Wash contaminated clothing before reusing.	
MINOR INHALATION	Loosen tight clothing around the individual's neck and waist. Allow the person to rest in a well-ventilated area. Obtain medical attention if irritation persists.	
SEVERE INHALATION	In emergency situations use proper respiratory protection to evacuate the victim to a safe area as soon as possible. Loosen tight clothing around the victim's neck and waist. Allow the victim to rest in a well- ventilated area. Oxygen may be administered if breathing is difficult. If the victim is not breathing, perform artificial respiration. Obtain immediate medical attention.	
INGESTION	Remove dentures if any. If conscious, have the person drink several glasses of water or milk and induce vomiting. Never give anything by mouth to an unconscious person. Lower the head so that the vomit will not reenter the mouth or throat. Obtain medical attention.	
SECTION 5. Fire and Explosion Data		
AUTOR-IGNITION TEMPERATURE	Not applicable	
FLASH POINT	Non flammable	
FLAMMABILITY LIMITS	Not flammable	
PRODUCTS OF COMBUSTION	Material will not burn. Undergoes thermal decomposition at elevated temperatures to release toxic and combustible gases: ammonia, nitrogen oxides, sulfur oxides, phosphorous oxides, and potassium oxides.	



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FIRE HAZARD IN THE PRESENCE OF VARIOUS SUBSTANCES	Not applicable	
EXPLOSION HAZARD IN THE PRESENCE OF VARIOUS SUBSTANCES	This product is no-explosive	
EXPLOSION HAZARD IN THE PRESENCE OF VARIOUS SUBSTANCES	This product is no-explosive	
FIRE FIGHTING MEDIA AND INSTRUCTIONS	Material will not burn. Undergoes thermal decomposition at elevated temperatures to release toxic and combustible gases. Use extinguishing media suitable for surrounding materials.	
SPECIAL REMARKS ON FIRE HAZARDS	Non-combustible. Flammable/toxic gases will form at elevated temperatures (>190 °C) by thermal decomposition (ammonia, sulfur oxides, nitrogen oxides, phosphorous oxides). A self-contained breathing apparatus should be used to avoid inhalation of toxic fumes.	
SPECIAL REMARKS ON EXPLOSION HAZARDS	No additional remarks.	
SECTION 6. Accidental Release Measures		
SMALL SPILL	Use appropriate tools to put the spilled solid in a suitable container for intended use or disposal	
LARGE SPILL	Prevent additional discharge of materials, if possible, to do so without hazard. Prevent spills from entering sewers, watercourses, wells, etc. Product will promote algae growth and may degrade water quality and taste. Notify downstream water users. Recover and place material in suitable containers for recycle, reuse, or disposal. Ensure disposal is in compliance with government requirements and local regulations	



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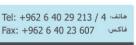
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#### **SECTION 7. Handling and Storage**

HANDLING	Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Keep container tightly closed. Do not get on skin or in eyes. Discard contaminated shoes
STORAGE	Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area. Store away from alkalis, Keep material out of the reach of children.
SECTION 8. Exposure C	<b>Controls/Personal Protection</b>
ENGINEERING CONTROLS	Uses process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If uses operations generate dust, use ventilation to keep exposure to airborne contaminants below the exposure limits.
PERSONAL PROTECTION	The selection of personal protection equipment varies, depending upon conditions of use. Where skin and eye contact may occur as a result of brief periodic exposures, wear long sleeve clothing, coveralls, leather gloves, and safety glasses.
PERSONAL PROTECTION IN CASE OF LARGE RELEASE	Work practice or other control measures are not adequate to prevent overexposure. Where skin and eye contact may occur as a result of prolonged or repeated exposures.
EXPOSURE LIMITS	Does not emit gases and dust in the appropriate Storage conditions.



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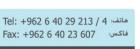


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Since 1991		
SECTION 9. Physical	and Chemical Properties	
PHYSICAL STATE AND APPEARANCE	Paste	
MOLECULAR WEIGHT	Not available	
COLOR	Red-Pink	
pH (1/100)	2.2	
E.C (1/1000)	1.2 mS	
SOLUBILITY IN WATER	400 gm/1000 ml. Easily soluble in hot and cold water.	
VOLATILITY	Not applicable	
MELTING POINT	Not available	
CRITICAL TEMPERATURE	Not available	
Density	1.55-1.65 g/cm <sup>3</sup>	
DISPERSION PROPERTIES	See solubility in water	
VAPOR PRESSURE	Not applicable	
VAPOR DENSITY	Not applicable	
SECTION 10. Stability and Reactivity Data		
STABILITY	The product is stable under suitable condition	
INSTABILITY TEMPERATURE	More than 70C / less than 10C	
INCOMPATABILITY WITH VARIOUS SUBSTANCES	Slightly reactive to reactive with oxidizing agents. Very slightly to slightly reactive with metals, moisture.	
CORROSIVITY	Highly corrosive in presence of aluminum, zinc, and copper. Slightly corrosive to steel, and 304 stainless steel. Non-corrosive to stainless steel.	
SPECIAL REMARKS ON CORROSIVE ACIDS.	Avoid contact with moisture. Slow hydrolysis will produce corrosive acids.	
SPECIAL REMARKS ON CORROSIVITY	Incompatible with copper alloys. Corrosive to brass. Corrosive to ferrous metals and alloys.	
SECTION 11. Tox	icological Information	
SIGNIFICANT ROUTS OF EXPOSURE	Ingestion. Inhalation	
TOXICITY TO ANIMALS	Acute oral toxicity (LD 50):>3000 mg /1 Kg (Rat)	
SPECIAL REMARKS ON TOXICITY TO ANIMALS	Very low toxicity for humans or animals. Will release ammonium ions. Ammonia is a toxic hazard to fish. May be harmful to livestock and wildlife if ingested.	



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	Clean up all spilled material, especially where bulk fertilizer loading of equipment occurs.
OTHER EFFECTS ON HUMANS	Our data base contains no additional remark on the toxicity of this product.
SPECIAL REMARKS ON CHRONIC EFFECTS ON HUMANS	No additional remarks
SPECIAL REMARKS ON OTHER EFFECTS ON HUMANS	No additional remarks.
SECTION 12. Eco	ological Information
ECOTOXICITY	Non-persistent. Non-cumulative when applied using normal agricultural practices. Low toxicity for humans or animals under normal conditions of use. May be harmful to livestock and wildlife if ingested. Clean up all spilled material, especially where bulk fertilizer loading of equipment occurs to prevent animal exposure.
BOD and COD	Not available
PRODUCTS OF DEGRADATION	Nitrogen oxides (NO, NO2), Sulfur oxides (SO2, SO3,) phosphates
TOXICITY OF THE PRODUCTS OF DEGRADATION	The products of biodegradation are not harmful under normal conditions of slow metabolic release.
SPECIAL REMARKS ON THE PRODUCTS OF DEGRADATION	May degrade water quality and taste. Notify downstream water users. Sulfates in potable drinking water should be maintained below 500 mg/L. Will dissolve and disperse in water. Reclaiming material may not be viable.



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#### **SECTION 13. Disposal Consideration**

Waste Disposal or Recycling

Recycle to process, if possible. Ensure disposal is in compliance with government requirements and local regulations. Consult your local or regional authorities.

## **SECTION 14. Transport Information**

DOT/TDG CLASSIFICATION	Not controlled under TDG (Canada) or D.O.T. (U.S.A.)	
PIN	Not applicable (PIN or PG)	
SPECIAL PROVISIONS FOR TRANSPORT	Not applicable	
UN-Number	None	
UN proper shipping name	None	
Transport hazard class(es)	None	
Environmental hazards	None	
SECTION 15. Regulatory Information		
The product use	Agricultural purposes	
<b>SECTION 16.</b> Other Information		
This MSDS is made by the quality management of MCFP.		

The information and recommendations contained herein are believed to be current and correct as of the date of this MSDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.



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